

## KATIE DOBKOWSKI

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### Appointments

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Fall 2022 - Present	Visiting Associate Professor and Chair of Environmental Science - Woodbury University, Burbank, CA
Fall 2018 – August 2022	Visiting Assistant Professor of Marine Ecology - Bates College, Lewiston, ME
Fall 2017-Winter 2018	Teaching Postdoc - University of Washington, Seattle, WA
2017 (Autumn)	Postdoctoral researcher in the lab of Dr. Chelsea Wood, University of Washington School of Aquatic and Fisheries Sciences - worked with collaborators to conduct meta-analysis of Anisakid parasite literature

### Education

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2017	PhD – Biology, University of Washington <u>Dissertation Title</u> : Biotic and abiotic influences on bull kelp ( <i>Nereocystis luetkeana</i> ) abundance and distribution in the Salish Sea
2006	MA – Teaching, Secondary, Whitworth University
2004	BS – Botany, with minor in Anthropology, University of Washington

### Publications (\* indicates undergraduate co-author)

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Johnson, K.H.\*, **Dobkowski, K.A.**, Seroy, S.K., Fox, S.A.\*, Meenan, N.\* 2023. Feeding preferences and the effect of temperature on feeding rates in the crab *Pugettia gracilis* in the Salish Sea. *PeerJ* 11:e15223  
<https://doi.org/10.7717/peerj.15223>

**Dobkowski, K.A.**, Crofts S.B. 2021. Scaling and structural properties of juvenile bull kelp (*Nereocystis luetkeana*). *Integrative Organismal Biology* <https://doi.org/10.1093/iob/obab022>

Fiorenza, E.A., Wendt, C.A., **Dobkowski, K.A.**, King, T., Pappaionou, M., Rabinowitz, P., Samhouri, J.F., Wood, C.L. 2020. It's a wormy world: Meta-analysis reveals long-term change in the global abundance of parasitic anisakid nematodes in fishes and invertebrates. *Global Change Biology* 26(5): 2854-2866; DOI 10.1111/gcb.15048

Dethier, M.N., **Dobkowski, K.A.**, Noreen, A.\*, Yun, M.\*, Moosmiller, A.\* 2019. Vulnerability of juvenile clams to predation by shore crabs. *Aquaculture* 506: 350-354

**Dobkowski, K.A.**, Flanagan, K.D.\*, and Nordstrom, J.R. 2018. Factors influencing recruitment and appearance of bull kelp, *Nereocystis luetkeana* (Phylum Ochrophyta). *Journal of Phycology* 55(1): 236-244; DOI 10.1111/jpy.12814

**Dobkowski, K.A.** 2017. The role of kelp crabs as consumers in bull kelp forests—evidence from laboratory feeding trials and field enclosures. *PeerJ* 5:e3372; DOI 10.7717/peerj.3372

**Dobkowski, K.A.**, Kobelt, J., Brentin S.\*, Van Alstyne K.L., Dethier, M.N. 2017. Picky *Pugettia*: a tale of two kelps. *Marine Biology* 164: 210; DOI 10.1007/s00227-017-3244-4

### Manuscripts Submitted and in Preparation (\* indicates undergraduate co-author)

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*In revision* **Dobkowski, K.A.**, O'Brien, B.\*, Dittrich, M.\*, Garcia, M.\*, VanAlstyne, K.L., Dethier, M.N. Interactions between the Northern kelp crab (*Pugettia producta*) and bull kelp (*Nereocystis luetkeana*) in the lab and in the field

*In revision* Womacks, C.H.\*, Seroy, S.K., **Dobkowski, K.A.** Effects of warming temperatures on the feeding interactions of an omnivorous crab, *Pugettia producta* (Crustacea: Brachyura: Epialtidae)

## **Mentoring Experience**

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### **Friday Harbor Labs NSF/Blinks/Beacon Research Experience for Undergraduates**

- 2022 (Summer) Demi Carballosa - The “Urch” to eat - feeding preferences in sea urchins
- 2021 (Summer) Maria Garcia – Adventures in bull kelp forestry Ft. kelp crabs (*Pugettia*)  
Cara Womacks – Do elevated temperatures change kelp crab (*Pugettia*) feeding preferences?
- 2020 (Summer) Muriel Dittrich – Feeding preferences of the Northern kelp crab (*Pugettia producta*) on Salish Sea seaweeds
- 2019 (Summer) Kasey Cordova – Quantifying Northern kelp crab (*Pugettia producta*) habitat and feeding preferences in the field and in the lab  
Declan Farr – Feeding preferences of Northern kelp crabs (*Pugettia producta*) on invasive *Sargassum muticum* as compared to local habitat forming primary producers (bull kelp, eelgrass)
- 2016 (Summer) K. Darby Flanagan - Life or death in the Salish Sea: The impact of biotic factors on the lifecycle of *Nereocystis luetkeana* (co-mentor with Dr. Megan Dethier)

### **Teaching Experience (Field Courses)**

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- o Marine Subtidal Ecology – Instructor – Friday Harbor Labs, Friday Harbor, WA (Summer B Term 2021 and 2022)
- o Ecology and Natural History of the Maine Coast (Bio s39) - Instructor - Bates College, Lewiston, ME (May term 2019)
- o Invertebrate Biology – Field Instructor – Swarthmore College – Friday Harbor, WA (August 2017)
- o Marine Ecology Field Course, National Institute of Biology – Guest Instructor – Marine Biology Station, Piran Slovenia (June 2017, May 2018)

### **Presentations**

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#### *Invited Talks and Seminars (Most recent three out of 14)*

- 2022 DePauw University: Biotic and abiotic influences on species abundance and distribution in a changing ocean - Greencastle, IN, March
- 2021 Creighton University: Biotic and abiotic influences on species abundance and distribution in a changing ocean – Omaha, NE, November
- 2021 College of the Holy Cross: Biotic and abiotic influences on species abundance and distribution in a changing ocean – Virtual (Zoom Seminar), April

#### *Oral Presentations (Most recent three out of 13)*

- 2022 Western Society of Naturalists Annual Meeting – Where are the Kelp and the Kelp Crabs? – Oxnard, CA, November
- 2021 Phycological Society of America - Understanding the Effects of Competition Between Juvenile *Nereocystis luetkeana* and *Sargassum muticum* – Virtual “lightning” talk, July
- 2020 Salish Sea Ecosystem Conference – Kelp Crabs Eat Kelp. And Lots Else? – Virtual meeting, April

### **Certifications, Skills, and Qualifications**

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University of Washington AAUS Scientific Diver and PADI Rescue Diver (9/2012)  
PADI Specialties: Tech Gas Blender, Nitrox, Underwater Naturalist, Dry Suit  
Statistical analysis and programming in R  
Geographic Information Systems: ArcGIS Online, QGIS  
Washington State Boater Education card and small boat operating experience